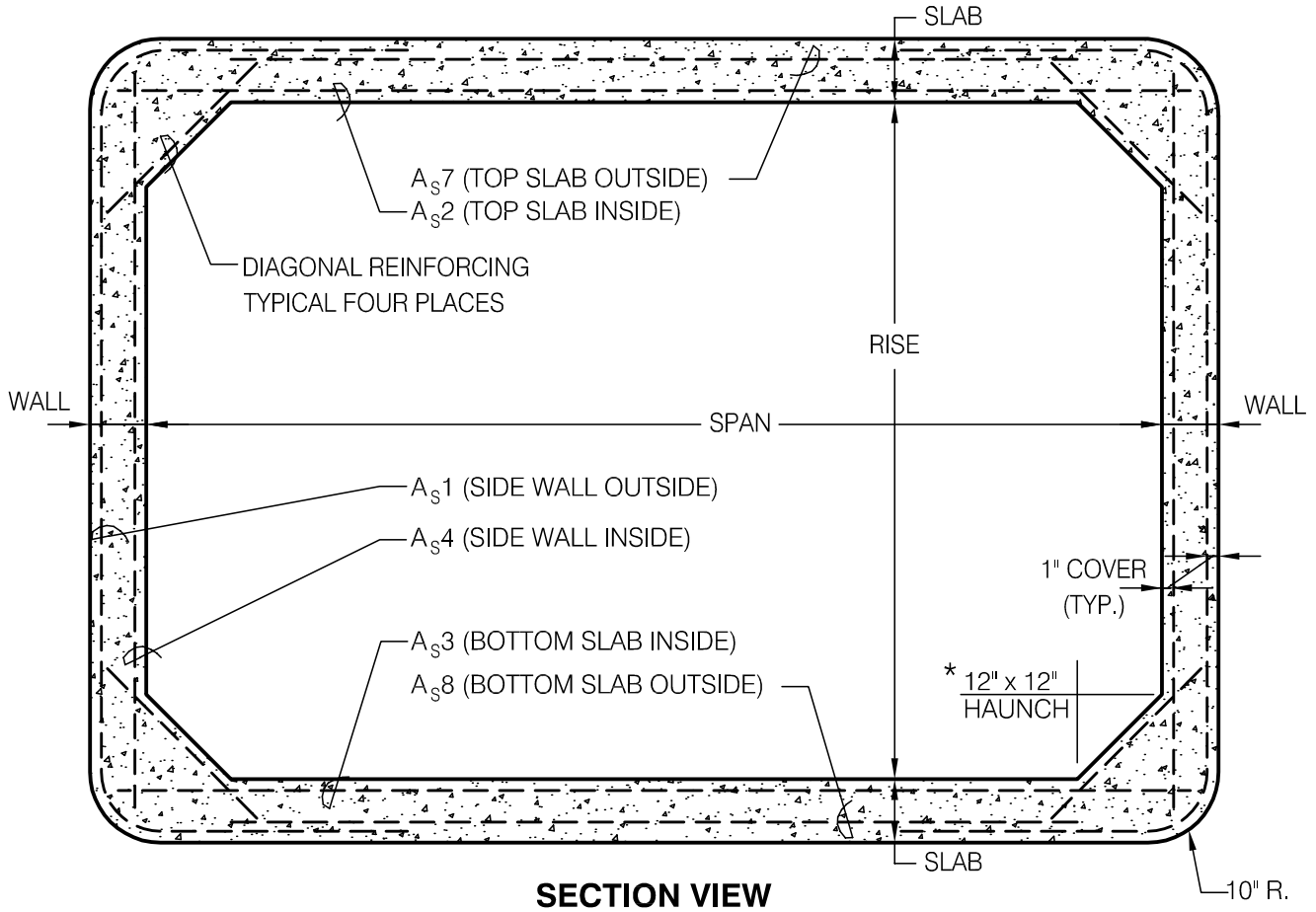


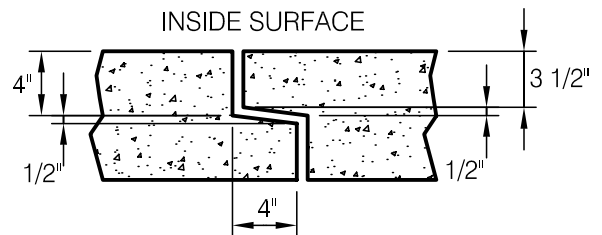
SINGLE CELL BOX CULVERT DESIGN DETAILS



SECTION VIEW

* 6' SPAN - 6"x6" HAUNCH (AVAILABLE)

LOADING, DESIGN METHODS AND MATERIALS COMPLY WITH ASTM C789 or C850.
 Standard laying length = 6'-0"
 WWF ASTM A185, $f_y = 65$ KSI
 Concrete Strength, $f_c = 5$ KSI
 Box culvert design and analysis is performed on the BOX CAR computer program.



TYPICAL JOINT DETAIL

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IOWA CONCRETE PRODUCTS CO.

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SINGLE CELL BOX CULVERT
DESIGN DETAILS

SCALE NOT TO SCALE | DATE JAN. 1, 1999 | DWG. NO. ICPSCWDDE

SINGLE CELL BOX CULVERT WEIGHT CHART

SPAN x RISE FEET	SLAB INCHES	WALL INCHES	HAUNCH INCHES	WT./FT. LBS.
6 x 3	8	8	6 x 6	2100
6 x 4	8	8	6 x 6	2300
6 x 5	8	8	6 x 6	2500
6 x 6	8	8	6 x 6	2700
7 x 3	8	8	12 x 12	2500
7 x 4	8	8	12 x 12	2700
7 x 5	8	8	12 x 12	2900
7 x 6	8	8	12 x 12	3100
7 x 7	8	8	12 x 12	3300
8 x 4	8	8	12 x 12	2900
8 x 5	8	8	12 x 12	3100
8 x 6	8	8	12 x 12	3300
8 x 7	8	8	12 x 12	3500
8 x 8	8	8	12 x 12	3700
9 x 4	8	8	12 x 12	3100
9 x 5	8	8	12 x 12	3300
9 x 6	8	8	12 x 12	3500
9 x 7	8	8	12 x 12	3700
9 x 8	8	8	12 x 12	3900
9 x 9	8	8	12 x 12	4100
10 x 4	8	8	12 x 12	3300
10 x 5	8	8	12 x 12	3500
10 x 6	8	8	12 x 12	3700
10 x 7	8	8	12 x 12	3900
10 x 8	8	8	12 x 12	4100
10 x 9	8	8	12 x 12	4300
10 x 10	8	8	12 x 12	4500
11 x 4	9	8	12 x 12	3800
11 x 5	9	8	12 x 12	4000
11 x 6	9	8	12 x 12	4200
11 x 7	9	8	12 x 12	4400
11 x 8	9	8	12 x 12	4600
11 x 9	9	8	12 x 12	4800
11 x 10	9	8	12 x 12	5000
11 x 11	9	9	12 x 12	5500
12 x 4	9	8	12 x 12	4050
12 x 5	9	8	12 x 12	4250
12 x 6	9	8	12 x 12	4450
12 x 7	9	8	12 x 12	4650
12 x 8	9	8	12 x 12	4850
12 x 9	9	8	12 x 12	5050
12 x 10	9	8	12 x 12	5250
12 x 11	9	9	12 x 12	5750
12 x 12	9	9	12 x 12	5950
14 x 4	10	8	12 x 12	4850
14 x 5	10	8	12 x 12	5050
14 x 6	10	8	12 x 12	5250
14 x 7	10	8	12 x 12	5450
14 x 8	10	8	12 x 12	5650
14 x 9	10	8	12 x 12	5850
14 x 10	10	8	12 x 12	6050
14 x 11	10	9	12 x 12	6600
14 x 12	10	9	12 x 12	6800
14 x 13	10	9	12 x 12	7050
14 x 14	10	10	12 x 12	7650

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**SINGLE CELL BOX CULVERT
WEIGHT CHART**

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